

Variable Condition Dewaxing Process of Paraffin wax Binder in Supercritical Fluids

김형진, 유기풍, 임종성*
서강대학교
(limjs@sogang.ac.kr*)

Dewaxing Process of Paraffin wax binder in Supercritical Fluids has proven to be very efficient. This Process has no defects in the environment part, short time and high rate of dewaxing. So the Supercritical dewaxing can be alternative to the conventional dewaxing methods.

The effects of process variables such as pressure, temperature and flow rate of supercritical carbon dioxide on the binder dewaxing rate in the ceramic injection molding have been investigated. In comparison with former research, the process conditions have been changed in each four steps. While the four step going on, each variable and its effect have increased gradually than dewaxing process of fixed variable such as pressure, temperature and flow rate of supercritical carbon dioxide.